

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 3 OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent number searching
NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing enhanced
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of pre-registered REACH substances
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 9 NOV 26 MARPAT enhanced with FSORT command
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts availability of new fully-indexed citations
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy
NEWS 12 NOV 26 Two new SET commands increase convenience of STN searching
NEWS 13 DEC 01 ChemPort single article sales feature unavailable

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 02:21:24 ON 08 DEC 2008

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION

FULL ESTIMATED COST

0.21

0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDHS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPE, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 02:21:41 ON 08 DEC 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s (keratin or keratin hydrogel) and soil(p)amendment? and hydratable keratin and cationic species

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDHS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA

34 FILES SEARCHED...

2 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
2 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS

68 FILES SEARCHED...

1 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L1 QUE (KERATIN OR KERATIN HYDROGEL) AND SOIL(P) AMENDMENT? AND HYDRATABLE KE
RATIN AND CATIONIC SPECIES

=> file ifipat uspatfull

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
1.30	1.51

FULL ESTIMATED COST

FILE 'IFIPAT' ENTERED AT 02:23:02 ON 08 DEC 2008

COPYRIGHT (C) 2008 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 02:23:02 ON 08 DEC 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 11

L2 4 L1

=> d 12 1-4

L2 ANSWER 1 OF 4 IFIPAT COPYRIGHT 2008 IFI on STN
AN 10627023 IFIPAT;IFIUDB;IFICDB
TI Hydratable form of keratin for use as a soil
amendment; comprises an oxidized keratin that upon
hydration forms a hydrogel which can increase the water retention
properties of soil and provide a source of organic and
inorganic nutrients can also support the remediation of contaminated
soils
IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons
Scott F; Van Dyke Mark E
PA Keraplast Technologies Ltd
Southwest Research Institute
(50215, 78576)
PI US 20040134248 A1 20040715
AI US 2003-715337 20031117
RLI US 2000-516755 20000301 DIVISION 6649740
FI US 20040134248 20040715
US 6649740
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
ED Entered STN: 16 Jul 2004
Last Updated on STN: 11 May 2006
CLMN 51
GI 3 Figure(s).
FIG. 1. Schematic of the oxidation of keratin cystine residues
to sulfonic acid groups.
FIG. 2. Typical titration curve for a one gram sample of oxidized
keratin derived from hair.
FIG. 3. Graph depicting the number of moles of sodium hydroxide required
to neutralize keratin derived from hair that has been oxidized
for varying times.

L2 ANSWER 2 OF 4 IFIPAT COPYRIGHT 2008 IFI on STN
AN 03972059 IFIPAT;IFIUDB;IFICDB
TI Hydratable form of keratin for use as a soil
amendment; Oxidized, comprises sulfonate groups and is associated
with metal ions; hydrogel; use in bioremediation and increasing water
retention
IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons
Scott F; Van Dyke Mark E
PA Keraplast Technologies Ltd (50215)
PI US 6649740 B1 20031118
AI US 2000-516755 20000301
FI US 6649740 20031118
DT Utility; Reassigned
FS CHEMICAL
GRANTED
ED Entered STN: 19 Nov 2003
Last Updated on STN: 27 May 2004
MRN 010950 MFN: 0745
010952 0118
010952 0129
013248 0355
CLMN 23
GI 3 Drawing Sheet(s), 3 Figure(s).
FIG. 1. Schematic of the oxidation of keratin cystine residues
to sulfonic acid groups.
FIG. 2. Typical titration curve for a one gram sample of oxidized
keratin derived from hair.
FIG. 3. Graph depicting the number of moles of sodium hydroxide required
to neutralize keratin derived from hair that has been oxidized

for varying times.

L2 ANSWER 3 OF 4 USPATFULL on STN
AN 2004:175096 USPATFULL
TI Hydratable form of keratin for use as a soil
amendment
IN Smith, Robert Allen, Jackson, IN, UNITED STATES
Timmons, Scott F., San Antonio, TX, UNITED STATES
Van Dyke, Mark E., Fair Oaks Ranch, TX, UNITED STATES
Blanchard, Cheryl R., Warsaw, IN, UNITED STATES
Siller-Jackson, Arlene J., Helotes, TX, UNITED STATES
PA Southwest Research Institute (U.S. corporation)
Keraplast Technologies, Ltd. (U.S. corporation)
PI US 20040134248 Al 20040715
AI US 2003-715337 Al 20031117 (10)
RLI Division of Ser. No. US 2000-516755, filed on 1 Mar 2000, GRANTED, Pat.
No. US 6649740
DT Utility
FS APPLICATION
LN.CNT 724
INCL INCLM: 071/015.000
NCL NCLM: 071/015.000
IC [7]
ICM C05F001-00
IPCI C05F0001-00 [ICM,7]
IPCR C05F0001-00 [I,C*]; C05F0001-00 [I,A]; C05F0011-00 [I,C*];
C05F0011-08 [I,A]; C09K0017-14 [I,C*]; C09K0017-32 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 4 USPATFULL on STN
AN 2003:302925 USPATFULL
TI Hydratable form of keratin for use as a soil
amendment
IN Smith, Robert Allen, Jackson, MS, United States
Timmons, Scott F., San Antonio, TX, United States
Van Dyke, Mark E., Fair Oaks Ranch, TX, United States
Blanchard, Cheryl R., San Antonio, TX, United States
Siller-Jackson, Arlene J., Helotes, TX, United States
PA Keraplast Technologies, Ltd., San Antonio, TX, United States (U.S.
corporation)
PI US 6649740 B1 20031118
AI US 2000-516755 20000301 (9)
DT Utility
FS GRANTED
LN.CNT 653
INCL INCLM: 530/357.000
INCLS: 530/355.000; 530/842.000; 530/418.000; 530/422.000; 530/423.000;
514/002.000; 073/073.000; 106/900.000
NCL NCLM: 530/357.000
NCLS: 073/073.000; 106/900.000; 530/355.000; 530/418.000; 530/422.000;
530/423.000; 530/842.000
IC [7]
ICM A61K038-17
ICS C07K014-00
IPCI A61K0038-17 [ICM,7]; C07K0014-00 [ICS,7]
IPCR C05F0001-00 [I,C*]; C05F0001-00 [I,A]; C05F0011-00 [I,C*];
C05F0011-08 [I,A]; C09K0017-14 [I,C*]; C09K0017-32 [I,A]
EXF 530/357; 530/355; 530/842; 530/418; 530/422; 530/423; 514/12; 073/73;
106/900
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d hist

(FILE 'HOME' ENTERED AT 02:21:24 ON 08 DEC 2008)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 02:21:41 ON 08 DEC 2008
SEA (KERATIN OR KERATIN HYDROGEL) AND SOIL(P)AMENDMENT? AND HY

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
2 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
2 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS
1 FILE WPINDEX

L1 QUE (KERATIN OR KERATIN HYDROGEL) AND SOIL(P) AMENDMENT? AND HY

FILE 'IFIPAT, USPATFULL' ENTERED AT 02:23:02 ON 08 DEC 2008

L2 4 S L1

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD¹y
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
10.12 11.63

STN INTERNATIONAL LOGOFF AT 02:23:29 ON 08 DEC 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspt189dxw

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page for STN Seminar Schedule - N. America
 NEWS 2 DEC 01 ChemPort single article sales feature unavailable
 NEWS 3 APR 03 CAS coverage of exemplified prophetic substances enhanced
 NEWS 4 APR 07 STN is raising the limits on saved answers
 NEWS 5 APR 24 CA/Caplus now has more comprehensive patent assignee information
 NEWS 6 APR 26 USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
 NEWS 7 APR 28 CAS patent authority coverage expanded
 NEWS 8 APR 28 ENCOMPPLIT/ENCOMPPLIT2 search fields enhanced
 NEWS 9 APR 28 Limits doubled for structure searching in CAS REGISTRY
 NEWS 10 MAY 08 STN Express, Version 8.4, now available
 NEWS 11 MAY 11 STN on the Web enhanced
 NEWS 12 MAY 11 BEILSTEIN substance information now available on STN Easy
 NEWS 13 MAY 14 DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
 NEWS 14 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
 NEWS 15 MAY 28 CAS databases on STN enhanced with NANO super role in records back to 1992
 NEWS 16 JUN 01 CAS REGISTRY Source of Registration (SR) searching enhanced on STN
 NEWS 17 JUN 26 NUTRACEUT and PHARMAML no longer updated
 NEWS 18 JUN 29 IMSCOPROFILE now reloaded monthly
 NEWS 19 JUN 29 EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
 NEWS 20 JUL 09 PATPDFFULL adds Simultaneous Left and Right Truncation (SLART) to AB, C1M, MC1M, and TI fields

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 18:31:55 ON 10 JUL 2009

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0 22	0 22

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 18:32:13 ON 10 JUL 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

```
=> s keratin and soil and preservative
      2  FILE IFIPAT
      5  FILE PROMT
     185  FILE USPATFULL
      2  FILE USPATOLD
     16  FILE USPAT2
      2  FILE WPIDS
66 FILES SEARCHED...
      2  FILE WPINDEX
```

7 FILES HAVE ONE OR MORE ANSWERS. 68 FILES SEARCHED IN STNINDEX

L1 QUE KERATIN AND SOIL AND PRESERVATIVE

```
=> s ll and tetraalkylammonium hydroxide
      2  FILE IFIPAT
 54 FILES SEARCHED...
      2  FILE USPATFULL
      1  FILE WPIDS
      1  FILE WPINDEX
```

4 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L2 QUE L1 AND TETRAALKYLAMMONIUM HYDROXIDE

=> file ifipat uspatfull
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
SESSION
TOTAL
2.04 2.26
FULL ESTIMATED COST

FILE 'IFIPAT' ENTERED AT 18:33:54 ON 10 JUL 2009
COPYRIGHT (C) 2009 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 18:33:54 ON 10 JUL 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 12
L3 4 L2

=> dub rem 13

PROCESSING COMPLETED FOR L3
L4 2 DUP REM L3 (2 DUPLICATES REMOVED)

=> d 14 1-2

L4 ANSWER 1 OF 2 IFIPAT COPYRIGHT 2009 IFI on STN DUPLICATE 1
AN 10627023 IFIPAT;IFIUDB;IFICDB

TI Hydratable form of keratin for use as a soil amendment; comprises an oxidized keratin that upon hydration forms a hydrogel which can increase the water retention properties of soil and provide a source of organic and inorganic nutrients can

also support the remediation of contaminated soils
IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons
Scott F; Van Dyke Mark E
PA Keraplast Technologies Ltd
Southwest Research Institute
(50215, 78576)
PI US 20040134248 A1 20040715
AI US 2003-715337 20031117
RLI US 2000-516755 20000301 DIVISION 6649740
FI US 20040134248 20040715
US 6649740
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
ED Entered STN: 16 Jul 2004
Last Updated on STN: 11 May 2006
CLMN 51
GI 3 Figure(s).
FIG. 1. Schematic of the oxidation of keratin cystine residues
to sulfonic acid groups.
FIG. 2. Typical titration curve for a one gram sample of oxidized
keratin derived from hair.
FIG. 3. Graph depicting the number of moles of sodium hydroxide required
to neutralize keratin derived from hair that has been oxidized
for varying times.

L4 ANSWER 2 OF 2 IFIPAT COPYRIGHT 2009 IFI on STN DUPLICATE 2
AN 03972059 IFIPAT;IFIUDB;IFICDB
TI Hydratable form of keratin for use as a soil
amendment; Oxidized, comprises sulfonate groups and is associated with
metal ions; hydrogel; use in bioremediation and increasing water
retention
IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons
Scott F; Van Dyke Mark E
PA Keraplast Technologies Ltd (50215)
PI US 6649740 B1 20031118
AI US 2000-516755 20000301
FI US 6649740 20031118
DT Utility; Reassigned
FS CHEMICAL
GRANTED
ED Entered STN: 19 Nov 2003
Last Updated on STN: 27 May 2004
MRN 010950 MFN: 0745
010952 0118
010952 0129
013248 0355
CLMN 23
GI 3 Drawing Sheet(s), 3 Figure(s).
FIG. 1. Schematic of the oxidation of keratin cystine residues
to sulfonic acid groups.
FIG. 2. Typical titration curve for a one gram sample of oxidized
keratin derived from hair.
FIG. 3. Graph depicting the number of moles of sodium hydroxide required
to neutralize keratin derived from hair that has been oxidized
for varying times.

=> d hist

(FILE 'HOME' ENTERED AT 18:31:55 ON 10 JUL 2009)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 18:32:13 ON 10 JUL 2009
SEA KERATIN AND SOIL AND PRESERVATIVE

2 FILE IFIPAT
5 FILE PROMT
185 FILE USPATFULL
2 FILE USPATOLD
16 FILE USPAT2
2 FILE WPIDS
2 FILE WPINDEX
L1 QUE KERATIN AND SOIL AND PRESERVATIVE

SEA L1 AND TETRAALKYLAMMONIUM HYDROXIDE

2 FILE IFIPAT
2 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX
L2 QUE L1 AND TETRAALKYLAMMONIUM HYDROXIDE

FILE 'IFIPAT, USPATFULL' ENTERED AT 18:33:54 ON 10 JUL 2009

L3 4 S L2
L4 2 DUP REM L3 (2 DUPLICATES REMOVED)

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
8.35 10.61

STN INTERNATIONAL LOGOFF AT 18:35:11 ON 10 JUL 2009